

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION - MATERIALS LABORATORY  
PO BOX 47365 OLYMPIA, WA 98504/STREET-1655 S. 2nd AVE TUMWATER, WA 98512

BITUMINOUS SECTION TEST REPORT  
TEST OF PAVING ASPHALTS

GRADE: PG64-22 Antistrip: %  
SUPPLIER: U.S.OIL Type:  
SHIPPER: U.S.OIL  
DATE RECD: 08/12/2010

WORK ORDER # 007779  
TRANS. LTR.# 10835D  
LAB.IDENT. # 000010835D  
ASPH. LAB. # A100756  
BID ITEM. # 92.02  
REGION # 43

SR NO: COUNTY:  
SECTION: PORT OF TACOMA RD TO KING COUNTY LINE -HOV

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ACCEPTANCE NO.	ASSURANCE NO.	CERT NO.	DATE SAMPLED
21		285145	08/11/2010

TEST: RESULTS: SPECIFICATIONS:

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ORIGINAL PROPERTIES:

VISCOSITY	
(BROOKFIELD) @ 135 C, Pa s	3 MAXIMUM
DYNAMIC SHEAR @ 64 C, kPa	1.00 MINIMUM
C.O.C. FLASH POINT, C	230 MINIMUM

RTFO AGED PROPERTIES:

MASS LOSS AFTER RTFO, %	1.00 MAXIMUM
DYNAMIC SHEAR @ 64 C, kPa	2.20 MINIMUM
MSCR @ 3.2 kPa @ C, %	REPORT ONLY
Jnr @ 3.2 kPa @ C	REPORT ONLY
DIFFERENCE Jnr, %	REPORT ONLY

MSCR and Jnr testing performed at PG base grade temperature

PAV AGED PROPERTIES:

PAV AGING TEMPERATURE C	
DYNAMIC SHEAR @ 25 C, kPa	5000 MAXIMUM
DYNAMIC SHEAR @ 22 C, kPa	REPORT ONLY
CREEP STIFFNESS @ -12 C	
"S", MPa	300 MAXIMUM
"m"	0.300 MINIMUM

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OSC LABORATORY:

Materials File	X	Material does MEET
General File	X	specification requirements.
REGION: OLYMPIC		Remarks:
Construction Engineer	43	SAMPLE APPROVED FOR USE ON THIS
Materials Engineer	43	CONTRACT BASED ON PREVIOUS AND
PE: R. SUAFOA	X(2)	SUBSEQUENT PASSING TEST
U.S.OIL	X	RESULTS.

THOMAS E. BAKER, P.E.  
Materials Engineer

By: Joseph R. DeVol 

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Date 08/20/2010  
Telephone 360-709-5421